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Part XI
Capital expenditures

Section 33
Construction, alteration, improvement and major maintenance

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* A summary of the approved programme budget will subsequently be issued as *Official Records of the General Assembly, Sixty-fourth Session, Supplement No. 6* (A/64/6/Add.1).

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A. Overview

33.1 The present section contains resources related to capital expenditure projects, namely, alterations and improvements to, and major maintenance of, the principal properties of the United Nations worldwide, including modernization of existing buildings and technical installations. Capital expenditure resources are requested centrally under this section in order to ensure a coordinated and systematic approach to facilities management, major maintenance and construction. The staff and related costs for administration and management of the activities proposed in this section are included under the respective main sections of the proposed programme budget for the biennium 2010-2011 for New York, Geneva, Vienna and Nairobi and the regional commissions.

33.2 The criteria used to decide as to whether a project falls into the alteration and improvement or major maintenance category are if the project is a capital-intensive project of a structural nature that would substantially alter or improve the facilities or infrastructure, it is classified under alterations and improvements, while projects to repair or replace existing installations (the heating, ventilation, air conditioning, electrical, plumbing, carpentry, security systems, etc.) and to maintain the facilities in good working order are classified under major maintenance. Over time it has also been necessary to propose major information technology infrastructure projects, such as server upgrades and the enterprise network, to ensure that the overall framework of the information technology system is upgraded and replaced to keep up with modern technology and the demands of the United Nations users. Alongside those projects, there have been the security strengthening projects, which have included both information technology and physical infrastructure components. Those projects are classified as alterations and improvements. However, as technology changes, the replacement of existing installations often involves the introduction of new features and substantial improvement to the facility, thereby blurring the distinction between the two categories. Each proposed project is compared against the criteria and placed within the area that is considered most appropriate. Within the major maintenance component of the budget, many projects are recurrent so that buildings can be maintained in good working order, whereas the alterations and improvements tend to be one-off or multi-year projects.

33.3 The projects contained under this section relate to subprogramme 4, Support services, of programme 24, Management and central support services, of the strategic framework for the period 2010-2011 (A/63/6/Rev.1). The overall objectives of the subprogramme are to provide effective and efficient planning, management, maintenance and operation for all existing physical facilities of the Organization and to provide common support for other mandated activities of the Organization. Expected accomplishments and indicators of achievement specifically related to the management of construction projects are included within the logical framework of the Office of Central Support Services and the administrative services at Geneva, Vienna and Nairobi and the regional commissions, as appropriate.

33.4 At Headquarters the projects proposed under this section are under the responsibility of the Office of Central Support Services and the Office of Information and Communications Technology, as appropriate. The administrative services at Geneva, Vienna and Nairobi and the regional commissions are responsible within their respective spheres for implementation of their projects under this section and administration of related resources. The projects relating to safety and security of the United Nations premises in all main locations proposed in this section will be implemented in close coordination with the Department of Safety and Security. As offices responsible for facilities management must evaluate projects based on competing priorities at their individual sites, resources required under alterations and improvements and under major maintenance may vary from biennium to biennium. Each office is ultimately responsible for the quality and safety of the United Nations premises.

33.5 In line with General Assembly resolution 52/220, the Office of Central Support Services will exercise its coordinating role in providing integrated and coordinated management policy and guidelines and technical assistance to locations outside of Headquarters in the implementation of facilities management projects. The Office of Central Support Services has utilized capacity within its existing organizational structure for oversight of overseas projects, with an emphasis on larger projects such as the construction of new office facilities at the Economic Commission of Africa (ECA) and the United Nations Office at Nairobi. However, in line with the provisions of resolution 63/263 (section I), the capacity within the Office of Central Support Services is proposed to be strengthened in the context of the proposed programme budget for the biennium 2010-2011. Specific information in that regard is detailed in the budget proposals for the biennium 2010-2011 under section 28D, Office of Central Support Services. In line with those proposals, the Office will strengthen its support to offices away from Headquarters in the planning, management, provision of technical advice and monitoring of their major construction projects during the biennium 2010-2011. With respect to the implementation of the capital master plan at Headquarters, the Office of Central Support Services will continue to work closely with the Office of the Capital Master Plan to facilitate the refurbishment of the Secretariat complex.

33.6 In accordance with the information and communications technology strategy approved by the General Assembly in its resolution 63/262, the Office of Information and Communications Technology is responsible for planning and coordinating Secretariat-wide information and communications technology activities, as well as reviewing related projects proposed by all duty stations. The Office of Information and Communications Technology is also responsible for centrally administering projects for upgrading the global network infrastructure of the United Nations offices away from Headquarters, and peacekeeping and special political operations, through the implementation of the enterprise network project, which is aimed at standardizing the network infrastructure equipment and bringing all the networks worldwide to the same standard of functionality, quality and reliability. In this context, the local information and communications technology projects are budgeted under the respective individual budgets of either the regional office or specific peacekeeping or special political operation.

33.7 The Office of Programme Planning, Budget and Accounts plays an oversight role in reviewing budget submissions from a financial standpoint, ensuring that resources are not requested for the same projects biennium after biennium. Justifications are requested and analysed with respect to each project, including those that are proposed to be deferred or that are phased over several bienniums.

33.8 Major maintenance requirements vary with the age of the building, type of construction, climate and adequacy of regular maintenance programmes. Properties owned by the United Nations at Headquarters are over 50 years old and require more active intervention to prevent structural, functional and technical obsolescence. Further, with new technologies in communications, office automation and information management, modifications and alterations to the buildings have become necessary to accommodate the specialized requirements of those technologies. Similarly, new safety and environmental standards require the continuing renovation of existing buildings to meet modern standards in such areas as fire and earthquake safety, access for persons with disabilities, interior air quality, asbestos abatement and safe handling of dangerous or toxic materials.

33.9 Historically however, the management and maintenance of the facilities owned by the Organization have suffered from low levels of funding for programmes of preventive maintenance and repair. In addition, owing to the nature of capital improvement projects, a number of which require long lead times or summer season timetables, it sometimes proves difficult to complete approved alteration and improvement projects during the biennium in which appropriations are granted. This results in

the further deferral of those projects to future bienniums. Premises in many duty stations are faced with the cumulative effects of reduced funding or deferral of projects, which have led to breakdowns that frequently pose threats to hygiene and safety.

33.10 With respect to requirements for alterations and major maintenance at Headquarters, funding has continuously been decreasing since the biennium 2004-2005 owing to limited resources. With the commencement of the capital master plan pursuant to resolutions 61/251 and 62/87, the alteration and major maintenance requirements for Headquarters in the biennium 2010-2011 will be focused on providing continuing maintenance for the premises that will continue to be occupied, as well as on maintenance of common and office areas at the swing space, in order to ensure the integrity of the buildings and the reliability of the health and safety systems for delegates, staff and visitors on the Headquarters campus. The summary of the major maintenance needs at Headquarters foreseen for the biennium 2010-2011 are:

(a) The Secretariat and Conference Buildings will be under renovation throughout the biennium. Maintenance operations will be significantly reduced for those Buildings, but minimum operating conditions will have to be maintained;

(b) The Library, General Assembly and North Lawn Buildings and the entire basement area, which represent approximately 50 per cent of the Secretariat complex, as well as Annex Buildings, will continue to operate as before during the biennium. Maintenance operations for those areas are expected to be at a normal level;

(c) Maintenance of common and office areas will be required at the swing spaces, including maintenance of the mechanical, electrical and plumbing infrastructure and the main heating, ventilation and air conditioning units.

33.11 The Palais des Nations at the United Nations Office at Geneva is facing considerable maintenance challenges stemming from rapid ageing and cumulative damages over the past 70 years of use. While the main building and its annexes have been maintained superficially, their functionality and reliability have been deteriorating over the past decade, resulting in high maintenance costs for the United Nations and posing concerns for the safety of delegates, staff and visitors on the site. In order to preserve the unique heritage and maintain the integrity and working order of the building, the United Nations Office at Geneva, in coordination with the Office of the Capital Master Plan at Headquarters, has been working to devise a comprehensive renovation and refurbishment programme for the Palais des Nations. Detailed proposals with respect to the project, which is referred to as the "strategic heritage plan", will be submitted to the General Assembly at its sixty-fourth session. A three-step process is envisioned. The first phase, consisting of a basic review of the structural problems, would serve as the terms of reference for a more detailed study. The initial phase, the funding for which was made possible through voluntary contributions, is expected to be completed in 2009. The second phase of the process would involve an extensive engineering study, based on the terms of reference generated in the first phase study, and would form the basis for analysis and proposals for the renovation plan. It is expected that requirements for the second phase, which would be carried out in 2010, would amount to $1,100,000. The proposal for the second phase of the study is contained in the present report under the component United Nations Office at Geneva. Following those two indispensable preparatory steps, and subject to approval by the General Assembly, the actual renovation would take place as the third phase. Given the need to complete the capital master plan at United Nations Headquarters, and subject to approval by the General Assembly, the implementation of the strategic heritage plan would not be expected to begin before 2012.

33.12 The total provision under the present section amounts to $55,001,900 before recosting, reflecting a decrease of $7,197,500, or 11.6 per cent, as compared with the revised appropriation for the

biennium 2008-2009. The decrease reflects the discontinuation of one-time provisions in the biennium 2008-2009 for a secondary data centre in Vienna ($1,543,400) and for information technology and telephone equipment for the new office facilities at ECA ($1,567,400), as well as reductions in alteration and major maintenance requirements at all duty stations totalling $4,086,700, the details of which are shown in table 33.2 below.

33.13 A number of the projects included in this section for the biennium 2010-2011 were previously approved by the General Assembly and represent a continuation of previously approved multi-year projects, or projects that were previously deferred owing to competing priorities. Table 33.3 categorizes the projects proposed in this section under alterations and improvements and major maintenance as being multi-year phased projects, recurrent projects, or new projects. The proposals for the biennium 2010-2011 therefore represent: (a) a continuing phase of catch-up programmes, which are expected to continue into succeeding bienniums; and (b) those projects which have been considered the most essential to ensure the reliable and efficient operation of facilities and related infrastructures in support of substantive programmes.

33.14 Pursuant to resolutions 57/304, 58/270 and 63/262 and in line with the objectives set out by the Secretary-General in his reports A/57/387 and Corr.1, A/57/620 and A/62/793 and Corr.1 and Add.1 on strengthening the United Nations and on the information and communications technology strategy, resources were approved in the two previous bienniums under the enterprise network project for investment in the information and communications technology infrastructure to support desktop videoconferencing, Internet protocol telephony, business continuity requirements and real-time connectivity to United Nations enterprise applications. During the biennium 2008-2009, the two duty stations most in need of cabling infrastructure upgrades, namely, the United Nations Office at Geneva and the United Nations Office at Nairobi, were covered under that project. In accordance with the provisions of resolution 63/262 and in consideration of its lead role in the development of an Organization-wide network infrastructure, the Office of Information and Communications Technology has analysed the network infrastructure and related technical requirements in all duty stations. On the basis of that analysis, a provision of $5,694,200 is proposed for the biennium 2010-2011 under this budget section to upgrade the information technology and communications infrastructure at the United Nations Office at Nairobi, the Economic and Social Commission for Asia and the Pacific (ESCAP) and the Economic and Social Commission for Western Asia (ESCWA) as the next phase of the most urgent improvements under the enterprise network project.

33.15 The estimated percentage distribution of resources under this section is as shown in table 33.1.

Table 33.1 **Distribution of resources by component**

(Percentage)

Component	*Regular budget*	*Extrabudgetary*
A. Alterations and improvements	49.8	—
B. Major maintenance	39.8	—
C. United Nations enterprise network	10.4	—
Total	**100.0**	—

Table 33.2 **Requirements by component and source of funds**

(Thousands of United States dollars)

Regular budget

Component	*2006-2007 expenditure*	*2008-2009 appropriation*	*Resource growth*		*Total before recosting*	*Recosting*	*2010-2011 estimate*
			Amount	*Percentage*			
A. Alterations and improvements							
1. Headquarters	28 396.7	20 275.1	(7 354.9)	(36.3)	12 920.2	627.6	13 547.8
2. Geneva	17 525.6	4 616.4	1 492.1	32.3	6 108.5	16.3	6 124.8
3. Vienna	2 085.8	3 683.2	(937.5)	(25.5)	2 745.7	(30.1)	2 715.6
4. Nairobi	8 170.6	2 432.3	(871.6)	(35.8)	1 560.7	119.1	1 679.8
5. ESCAP	3 247.1	1 787.1	(1 306.5)	(73.1)	480.6	27.1	507.7
6. ECLAC	4 061.9	1 516.6	(235.8)	(15.5)	1 280.8	169.2	1 450.0
7. ECA	9 215.5	3 248.1	(967.2)	(29.8)	2 280.9	711.3	2 992.2
8. ESCWA	266.9	—	—	—	—	—	—
Subtotal	**72 970.1**	**37 558.8**	**(10 181.4)**	**(27.1)**	**27 377.4**	**1 640.5**	**29 017.9**
B. Major maintenance							
1. Headquarters	7 151.1	9 048.9	308.3	3.4	9 357.2	454.6	9 811.8
2. Geneva	4 523.3	5 964.3	(1 685.3)	(28.3)	4 279.0	11.4	4 290.4
3. Vienna	863.3	1 038.4	120.0	11.6	1 158.4	(14.3)	1 144.1
4. Nairobi	1 923.6	1 961.2	1 368.8	69.8	3 330.0	247.2	3 577.2
5. ESCAP	1 430.1	1 882.4	(59.0)	(3.1)	1 823.4	103.6	1 927.0
6. ECLAC	536.9	266.8	561.5	210.5	828.3	109.4	937.7
7. ECA	644.4	829.2	324.8	39.2	1 154.0	357.2	1 511.2
Subtotal	**17 072.7**	**20 991.2**	**939.1**	**4.5**	**21 930.3**	**1 269.1**	**23 199.4**
C. United Nations enterprise network	8 080.1	3 649.4	2 044.8	56.0	5 694.2	276.6	5 970.8
Total	**98 122.9**	**62 199.4**	**(7 197.5)**	**(11.6)**	**55 001.9**	**3 186.2**	**58 188.1**

Table 33.3 **Status of projects proposed for the biennium 2010-2011**

(Thousands of United States dollars)

	Headquarters	*United Nations Office at Geneva*	*United Nations Office at Vienna*	*United Nations Office at Nairobi*	*ESCAP*	*ECLAC*	*ECA*	*ESCWA*	*Total*
A. Alterations/improvements									
Approved projects deferred from prior period(s)	—	—	—	—	—	—	—	—	—
Multi-year phased projects	4 800.0	4 400.0	—	1 000.0	—	—	—	—	**10 200.0**
Recurrent projects	8 120.2	—	2 586.3	—	—	—	240.0	—	**10 946.5**
New projects for 2010-2011	—	1 708.5	159.4	560.7	480.6	1 280.8	2 040.9	—	**6 230.9**
Subtotal	**12 920.2**	**6 108.5**	**2 745.7**	**1 560.7**	**480.6**	**1 280.8**	**2 280.9**	**—**	**27 377.4**
B. Major maintenance									
Approved projects deferred from prior period(s)	—	—	—	—	—	—	—	—	—
Multi-year phased projects	—	1 149.0	—	—	1 418.4	—	—	—	**2 567.4**

	Headquarters	*United Nations Office at Geneva*	*United Nations Office at Vienna*	*United Nations Office at Nairobi*	*ESCAP*	*ECLAC*	*ECA*	*ESCWA*	*Total*
Recurrent projects	9 357.2	2 835.0	1 158.4	3 330.0	405.0	828.3	540.0	—	**18 453.9**
New projects for 2010-2011	—	295.0	—	—	—	—	614.0	—	**909.0**
Subtotal	**9 357.2**	**4 279.0**	**1 158.4**	**3 330.0**	**1 823.4**	**828.3**	**1 154.0**	**—**	**21 930.3**
C. United Nations enterprise network	400.0	—	—	3 500.0	1 486.6	—	—	307.6	5 694.2
Subtotal	**400.0**	**—**	**—**	**3 500.0**	**1 486.6**	**—**	**—**	**307.6**	5 694.2
Total	**22 677.4**	**10 387.5**	**3 904.1**	**8 390.7**	**3 790.6**	**2 109.1**	**3 434.9**	**307.6**	**55 001.9**

33.16 The above proposals should be seen in the context of the estimated value (excluding land) of United Nations-owned buildings based on the 2008 valuation, which is as follows:

(a) Headquarters: $770,696,000 (replacement value of the Headquarters complex);

(b) Geneva: $816,231,500;

(c) Vienna: $1,300,000,000 (the Vienna International Centre is the property of the Government of Austria);

(d) Nairobi: $64,213,000 (estimated value of the Gigiri complex);

(e) Economic and Social Commission for Asia and the Pacific (ESCAP): $96,536,300 (estimated value of the ESCAP complex);

(f) Economic Commission for Latin America and the Caribbean (ECLAC): $39,140,000 (estimated value of the ECLAC complex);

(g) Economic Commission for Africa (ECA): $166,920,900 (estimated value of the ECA complex).

B. Alteration, improvement and major maintenance programmes

1. Headquarters

Resource requirements (before recosting): $22,277,400

33.17 The total provision of $22,277,400 at Headquarters consists of $12,920,200 for alterations and improvements, with approximately 37.2 per cent of the proposals being multi-year phased projects and 62.8 per cent being recurrent projects, and $9,357,200 for major maintenance projects, all of which are recurrent.

33.18 The total provision reflects a net decrease of $7,046,600, or 24 per cent, as compared with the revised appropriation for the biennium 2008-2009. The net decrease is the combined effect of various increases and decreases, including: (a) a reduction of $4,788,000 in the requirements for alteration, improvement and major maintenance, as about half of the Headquarters complex will be under renovation owing to the implementation of the capital master plan; (b) the removal of the one-time provision amounting to $3,241,300 in the biennium 2008-2009 approved for safety and security projects; and (c) an increase of $982,700 reflecting new requirements relating to the maintenance of security infrastructures that were installed during the previous biennium.

33.19 As regards alterations and improvements, a provision of $12,920,200 would cover (in United States dollars):

(a) Improvement of facilities and general infrastructure	4 950 000
(b) Improvement of security and safety of the premises	75 000
(c) Improvement to the information and communications technology infrastructure	7 895 200
Total	**12 920 200**

33.20 As regards major maintenance, a provision of $9,357,200 would cover the requirements for continuing maintenance of the premises, as detailed in paragraph 33.10 above, that will continue to be occupied throughout the biennium 2010-2011 during the implementation of the capital master plan, as well as the estimated requirements to maintain the common and office areas at the swing space locations. The provision under major maintenance can be summarized as follows (in United States dollars):

(a) Major maintenance of facilities and general infrastructure	5 335 800
(b) Major maintenance of security and safety installations	4 021 400
Total	**9 357 200**

2. United Nations Office at Geneva

Resource requirements (before recosting): $10,387,500

33.21 The total provision of $10,387,500 for the United Nations Office at Geneva consists of $6,108,500 for alterations and improvements, with approximately 72 per cent being multi-year phased projects and 28 per cent being new projects, and $4,279,000 for major maintenance projects, with approximately 26.8 per cent being multi-year phased projects, 66.3 per cent being recurrent projects, and 6.9 per cent being new.

33.22 The total provision reflects a net decrease of $193,200, or 1.8 per cent, as compared with the revised appropriation for the biennium 2008-2009. The net decrease is the combined effect of various increases and decreases, including: (a) a new provision of $1,100,000 to conduct the detailed engineering study for the envisaged strategic heritage plan aimed at renovating the premises of the United Nations Office at Geneva; (b) an increase of $2,362,000 reflecting the new requirements to maintain the security infrastructures that were installed in the previous biennium; (c) a decrease of $2,206,000 in requirements for roof repairs and waterproofing, as the main part of the repair work was completed during the previous biennium; and (d) a decrease of $1,449,200 owing to a moratorium on various renovation and refurbishment projects in anticipation of the strategic heritage plan project.

33.23 As regards alterations and improvements, a provision of $6,108,500 would cover the following (in United States dollars):

(a) Detailed engineering study for the strategic heritage plan	1 100 000
(b) Improvement of conference facilities and related infrastructure	3 608 500
(c) Improvements to the information and communications technology infrastructure	1 400 000
Total	**6 108 500**

33.24 As regards major maintenance, a provision of $4,279,000 would cover activities in the areas of heating, ventilation, air conditioning, sewer and electrical systems maintenance, urgent structural and architectural maintenance, including remaining roof repairs and waterproofing, masonry works

and fortification, replacement of elevators and other maintenance that cannot be postponed until the strategic heritage plan, in order to ensure the reliability of the premises and the safety of delegates, staff and visitors. The provision under major maintenance can be summarized as follows (in United States dollars):

(a) Major maintenance of facilities and general infrastructure	1 917 000
(b) Major maintenance of security and safety installations	2 362 000
Total	**4 279 000**

3. United Nations Office at Vienna

Resource requirements (before recosting): $3,904,100

33.25 The total provision of $3,904,100 includes $2,745,700 for alterations and improvements, with approximately 94.2 per cent being recurrent projects and 5.8 per cent being new projects, and $1,158,400 for major maintenance entirely for recurrent projects.

33.26 The resources requested would cover the share of the United Nations Office at Vienna of the cost of improving and maintaining the Vienna International Centre, which is managed by the United Nations Industrial Development Organization on a cost-shared basis through an agreement between the organizations based at the Centre and the host Government (as regards major maintenance projects), as well as a provision for furnishing the newly constructed shooting range. The old shooting range at the Vienna International Centre was demolished during the construction of the new conference facilities. The Government of Austria has constructed a shell site for a new shooting range. The fitting out of the shell site with regard to all other work, including technical and electronic equipment, bullet-catch and interior refurbishment of the range, and electrical installations, would be cost-shared by the United Nations Office at Vienna and other organizations based at the Centre. The requirement under this heading in the amount of $159,400 represents the share of the United Nations Office at Vienna of the total refurbishment costs of $716,000 at the current share ratio of 22.263 per cent.

33.27 As regards alterations and improvements, a provision of $2,745,700 would cover the following (in United States dollars):

(a) Cost-shared improvement of facilities and general infrastructure	2 586 300
(b) Cost-shared refurbishment of the new shooting range	159 400
Total	**2 745 700**

33.28 As regards major maintenance, a provision of $1,158,400 would cover the contribution of the United Nations Office at Vienna to the Common Fund for Financing Major Repairs and Replacements based on the agreement between the host Government and the organizations based at the Vienna International Centre, as well as the share of the United Nations Office at Vienna for the maintenance of security systems at the current share ratio of 22.263 per cent of the total cost of $232,600. The provision under major maintenance can be summarized as follows (in United States dollars):

(a) Cost-shared major maintenance of facilities and general infrastructure	1 106 600
(b) Cost-shared major maintenance of security and safety installations	51 800
Total	**1 158 400**

4. United Nations Office at Nairobi

Resource requirements (before recosting): $4,890,700

33.29 The total provision of $4,890,700 consists of $1,560,700 for alterations and improvements, with approximately 64.1 per cent being multi-year phased projects and 35.9 per cent being new projects, and $3,330,000 for major maintenance entirely for recurrent projects.

33.30 The total provision reflects a net increase of $497,200, or 11.3 per cent, as compared with the revised appropriation for the biennium 2008-2009. The increase reflects the combined effect of: (a) a decrease of $656,800 owing to the discontinuation of one-time requirements for projects, such as renovation of food services, converting the commissary area into office space and installation of security systems, which were all completed during the biennium 2008-2009; (b) a reduction of $775,500 in the requirements for ongoing multi-year projects, such as those for the renovation of interior office space and the environment management system, both of which are entering the final phase of implementation; (c) an increase of $560,700 representing the requirement for the first phase of the new multi-year project to reconfigure and expand parking facilities and vehicular access; (d) an increase of $1,430,000 for the maintenance of security installations; and (e) a minor reduction of $61,200 for the general maintenance of roadways and other projects.

33.31 As regards alterations and improvements, a provision of $1,560,700 relates solely to the improvement of facilities and general infrastructure and would cover the concluding phase of multi-year projects for interior office renovation and the environment management system, as well as the first phase of a new multi-year project to reconfigure and expand parking facilities.

33.32 As regards major maintenance, a provision of $3,330,000 would cover the ventilation, air conditioning and electrical systems, structural and architectural maintenance, landscaping, and conference service equipment and other urgent maintenance. The provision under major maintenance can be summarized as follows (in United States dollars):

(a) Major maintenance of facilities and general infrastructure	1 900 000
(b) Major maintenance of security and safety installations	1 430 000
Total	**3 330 000**

5. Economic and Social Commission for Asia and the Pacific

Resource requirements (before recosting): $2,304,000

33.33 The total provision of $2,304,000 consists of $480,600 for alterations and improvements comprising entirely new projects, and $1,823,400 for major maintenance, with approximately 77.8 per cent being multi-year phased projects, and 22.2 per cent being recurrent projects.

33.34 The total provision reflects a net decrease of $1,365,500, or 37.2 per cent, as compared with the revised appropriation for the biennium 2008-2009 The net decrease reflects the combined effect of various increases and decreases, including: (a) the discontinuation of one-time provisions in the biennium 2008-2009 amounting to $1,590,500 for projects such as premises and safety and security improvements, as those projects are to be completed in the biennium 2008-2009; and (b) an increase of $225,000 reflecting new requirements relating to the maintenance of security infrastructures that were installed in the previous biennium.

33.35 As regards alterations and improvements, a provision of $480,600 would cover the following (in United States dollars):

(a) Improvement of facilities and general infrastructure	180 600
(b) Improvement of conference facilities and related infrastructure	300 000
Total	**480 600**

33.36 As regards major maintenance, a provision of $1,823,400 would cover the maintenance of the electrical system, including a major upgrade of the existing reticulation panels, and the replacement of worn carpeting and fireproof wall coverings. The provision under major maintenance can be summarized as follows (in United States dollars):

(a) Major maintenance of facilities and general infrastructure	1 598 400
(b) Major maintenance of security and safety installations	225 000
Total	**1 823 400**

6. Economic and Social Commission for Latin America and the Caribbean

Resource requirements (before recosting): $2,109,100

33.37 The total provision of $2,109,100 consists of $1,280,800 for alterations and improvements comprising entirely new projects, and $828,300 for major maintenance comprising entirely recurrent projects.

33.38 The total provision represents an increase of $325,700, or 18.3 per cent, as compared with the revised appropriation for the biennium 2008-2009. The increase reflects the combined effects of various increases and decreases, including: (a) a decrease of $1,479,500 owing to the discontinuation of one-time projects, such as premises refurbishment, security improvements, and installation of a back-up generator, as those projects are all to be completed in the biennium 2008-2009; (b) an increase of $1,112,200 to implement the "sustainable United Nations" project, which is a new programme aimed at reducing energy consumption and carbon emissions in the United Nations complex at Santiago; and (c) an increase of $693,000 reflecting the new requirements relating to the maintenance of security infrastructures that were installed in the previous biennium.

33.39 As regards alterations and improvements, a provision of $1,280,800 would cover:

(a) Improvement of facilities and general infrastructure	1 196 200
(b) Improvement of security and safety of the premises	84 600
Total	**1 280 800**

33.40 As regards major maintenance, a provision of $828,300 would cover maintenance of the electrical systems, the ceiling structure, and security. The provision under major maintenance can be summarized as follows (in United States dollars):

(a) Major maintenance of facilities and general infrastructure	135 300
(b) Major maintenance of security and safety installations	693 000
Total	**828 300**

7. Economic Commission for Africa

Resource requirements (before recosting): $3,434,900

33.41 The total provision of $3,434,900 consists of $2,280,900 for alterations and improvements, with approximately 10.5 per cent being recurring projects and 89.5 per cent being new projects, and $1,154,000 for major maintenance, with approximately 46.8 per cent being recurring projects and 53.2 per cent being new projects.

33.42 The total provision reflects a net decrease of $642,400, or 15.8 per cent, as compared with the revised appropriation for the biennium 2008-2009. The net decrease reflects the combined effect of various increases and decreases, including: (a) a decrease of $1,567,400 owing to the discontinuation of a one-time provision approved for the biennium 2008-2009 for information and communications technology equipment for the new office facilities; (b) an increase of $655,000 for the new project to extend parking facilities; and (c) an increase of $270,000 reflecting the new requirements relating to maintenance of the security infrastructures that were installed in the previous biennium.

33.43 As regards alterations and improvements, a provision of $2,280,900 would cover the following (in United States dollars):

(a) Improvement of facilities and general infrastructure	1 423 000
(b) Improvement of conference facilities and related infrastructure	632 900
(c) Improvement of security and safety of the premises	225 000
Total	**2 280 900**

33.44 As regards major maintenance, a provision of $1,154,000 would cover the installation of an additional emergency generator, the replacement of an old passenger elevator, and the installation of environmentally friendly devices, such as a bio-digester, a solar panel to heat water and a demand-controlled ventilation system, as well as general maintenance requirements at the subregional offices. The provision under major maintenance can be summarized as follows (in United States dollars):

(a) Major maintenance of facilities and general infrastructure	884 000
(b) Major maintenance of security and safety installations	270 000
Total	**1 154 000**

C. United Nations enterprise network

33.45 The network infrastructure of the United Nations regional headquarters and regional commissions underwent an upgrade in the biennium 2006-2007 to support desktop videoconferencing, Internet protocol telephony, business continuity requirements and real-time connectivity to United Nations enterprise applications, such as the Integrated Management Information System (IMIS), as well as future systems related to the sharing of security-related information. In the biennium 2008-2009, resources were proposed to undertake the most pressing projects in two duty stations, the United Nations Office at Geneva ($3,000,000) and the United Nations Office at Nairobi ($500,000), for the limited replacement of the cable infrastructure.

33.46 The enterprise network project is administered by the Office of Information and Communications Technology (previously by the Information Technology Services Division of the Office of Central Support Services). The procurement of equipment, such as standardized switchers and routers, is

undertaken centrally to the extent possible to achieve bulk discounts, and the equipment is installed at each duty station to bring the local network up to the standard of Headquarters.

33.47 Following a review conducted by the Office of Information and Communications Technology of the current state of network infrastructure and the technical requirements in offices away from Headquarters and the regional commissions, a provision of $5,694,200 is proposed for the enterprise network in the biennium 2010-2011. This provision would cover the most critical and pressing needs that cannot be postponed. They include:

(a) The amount of $3,500,000 to replace the current private automatic branch exchanges (PABX) telephony system at the United Nations Office at Nairobi, as the current system is at the end of its lifecycle, and spare parts for it are no longer available;

(b) The amount of $1,486,600 to replace the PABX and telephony system with an Internet protocol telephony system at ESCAP. The current system is beyond the end of its lifecycle and technical support for it is no longer available;

(c) The amount of $307,600 for local area network equipment in the United Nations House at ESCWA, as well as to cover services related to disaster recovery and business continuity consisting of daily replications of mail records, shared files, IMIS and related databases;

(d) The amount of $400,000 to replace the wide area network switches at all duty stations as the switches currently in use are not supported beyond 2011 and must be replaced to ensure continued availability of the network. It is proposed that this provision be administered centrally by the Office of Information and Communications Technology.